EXCHANGE AND GO

ZE-NC4612

Car Specific Naviceiver

Compatible with MERCEDES-BENZ Sprinter II | Vito | Viano
A-Class | B-Class

Company:

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ZENEC E>GO ZE-NC4612 – Perfect Integration Into Your MERCEDES-BENZ

In 2008, ZENEC brought the first E>GO onto the market, thereby immediately establishing a completely new category of device: the vehicle-specific naviceiver. Today, ZENEC is the undisputed market leader in the German speaking area for in-car multimedia navigation devices. And with the new product range there are E>GOs to fit into over 40 models of vehicle.

E>GO – clever design, perfect system solution

The E>GO concept, honored with two innovation prizes, is a system solution without equal for realizing in-car multimedia and navigation in an ingeniously simple way: E>GOs are a perfect fit – visually and technically – in the respective target vehicle, without hours of installation work. Of particular importance is the perfect integration into the existing vehicle electronics. And this is not just the interface with the steering wheel remote control.

Straightforward installation, an immense range of functions and an ingeniously simple concept of operation – that makes E>GO so exceptional and so successful. With the knowledge of the peculiarities and specific pitfalls of the individual vehicles in the background, the next E>GO generation now lines up. Perfectly matched to the respective target vehicles, they come with a high-resolution digital touch panel, many innovative features and, key for ZENEC, a simplified ease of use.

E>GO ZE-NC4612 – custom-fit to your MERCEDES

The ZE-NC4612 is a smart specialist, specifically developed for various MERCEDES vehicles. The specific construction, amber/whie button illumination and customized styling of the front panel makes ZENEC's naviceiver blend in perfectly with the MERCEDES Sprinter II, Vito, Viano, A-Class, and B-Class. The ZE-NC4612 is also effortlessly integrated into the existing automotive electronics. The E>GO is linked to the steering wheel remote control and the Multifunction driver information display via the vehicle-specific CAN bus interface.

E>GO ZE-NC4612 – navigation, entertainment, communication

Enjoy the sophisticated ZENEC multimedia features with CD, DVD, USB, SD/SDHC or iPod/iPhone. The integrated hands-free system, which communicates perfectly with your smart phone, allows you to make telephone calls in comfort at any time. Travel relaxed throughout Europe: The ZE-NC4612 features a special motor-caravan navigation software, to factor in route limitations and vehicle parameters in the calculation. Detailed information on campsite and motor home stopover sites throughout Europe is offered in the popular Camping POI package (in German language only).

Features

TOUCH PANEL · 6.2"/15.7 cm TFT LCD PANEL · PHASE DIVERSITY FM TUNER · DVD · XVID Mobile · USB 2.0 · SD HC · PARROT BT WITH SEARCH FUNCTION · A2DP +AVRCP 1.3 · Made for iPod iPhone · 24 bit D/A CONVERTER · 4.2CH 4V LINE-OUT · BUILT-IN PHANTOM 12V POWER · DVB-T Ready · DAB+ Ready · REAR VIEW CAM INPUT · SECURITY CODE · FULL-EU MAP BUNDLE · BUILT-IN TMC · 8GB 8 ON-BOARD NAV MEMORY · STALK/CAN INTERFACE INCLUDED · DRIVER INFO DISPLAY INTEGRATION · MAXI IR-REMOTE

Parrot move wireless · XVID Mobile

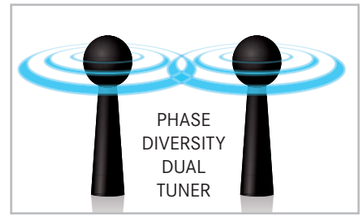
E>GO EXCHANGE AND GO

Steering wheel remote control integration

The ZE-NC4612 is connected via the vehicle-specific CAN bus interface to the factory installed steering wheel remote control. Audio sources are operated as before.

Multifunction driver information display

E>GO is a perfect fit: The ZE-NC4612 also supports the Multifunction driver information display (depending on the model), that is connected to the CAN bus via interface. Displayed are various audio infos.



Phase Diversity FM Dual Tuner

The dual tuner of the E>GO is working with an FM phase diversity circuit that processes the signals of the two antennas built into the vehicle. A DSP algorithm generates the desired noise and distortion free FM signal by merging both captured radio signals into a new audio stream – you always enjoy optimum radio reception, even under difficult conditions.

Motor home navigation

ZENEC's motor home specialist allows you to choose between seven vehicle profiles so that ZE-NC4612 is perfectly matched to your vehicle. By entering vehicle-specific data – height, width, length, weight, trailer etc. – you can plan the route more effectively.

CampingFinder POI package

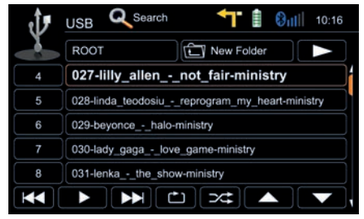
Detailed information on campsite and motor home stopover sites throughout Europe is offered in the CampingFinder POI package (in German language only), already preinstalled on the ZENEC E>GO ZE-NC4612.

Maxi IR-Remote

Of high value in practice for ZE-NC4612 devices installed in motor home vehicles is the Maxi Remote, covering the most important device functions for easy and secure operation with extended transmission range.

Simple connection of iPod/iPhone

Connect your iPod or iPhone to the E>GO device via the USB port of the Media link box. The display of Apple Album Art is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.

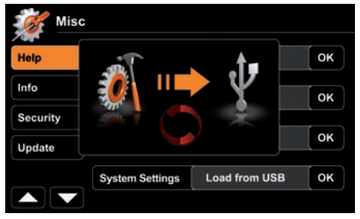


Easy folder management

The folder structures of your iPod/iPhone and also that of the files stored on your USB stick are completely adopted by the E>GO. Thus you have access to your files at all times without excessive search actions.

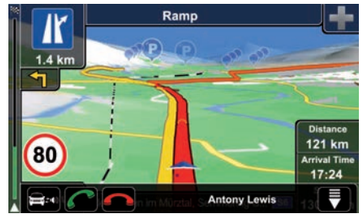
Optimized ease of use

The clearly designed menus are self-explanatory and intuitive to operate. Large control fields and a logically structured navigation ensure that the E>GO can also be controlled in safety when you are driving.



Import/export of user settings

A very user-friendly feature is the export and import function of user settings via the USB port. All important user settings can be saved in no time at all on a USB stick and reloaded later.

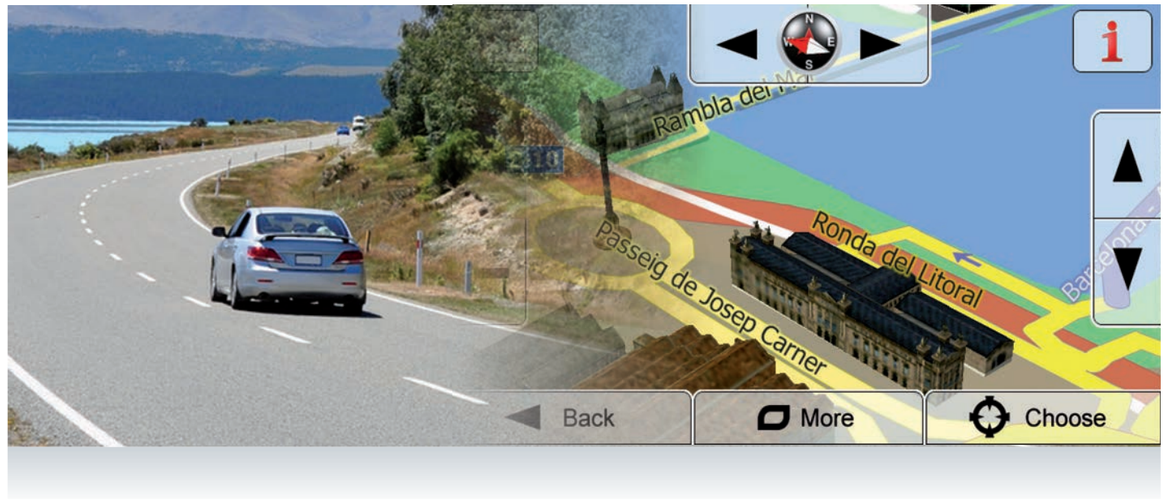


All-round information

Thanks to the infobar function, you will be notified of incoming calls and/or audio features without leaving the navigation mode. In other playback modes there is also a navigation infobar to keep you updated when to take the next turn or exit.

Easy parking and maneuvering

You can also easily connect a rear-view camera to the E>GO and conveniently control it via the touchscreen. The extensive ZENEC range of accessories offers you a large selection of different models like motor-caravan specific cameras for your car.



Your Perfect Navigator

ZENEC's E>GO has the latest maps of all European countries preloaded (with Premium POIs), which appear highly realistic, thanks to the 3D high-definition rendering of terrain and 3D objects. With 8 GB of flash memory, more than enough memory remains free for continuous expansion and unlimited updates of map packages with 3D buildings and landscape features.

ZENEC's innovative navigation software makes the destination and route selection even easier and more intuitive. The "Quick menu" provides straight access to all sat nav functions. The "Smart" and "Eco" route calculation modes for shorter and/or more economical driving are hard to beat. With the "Parking Around" function appropriate parking spots near you will start to show up, once you approach your final destination.

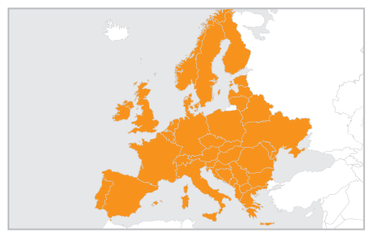
Features like the Real Junction View function, the Lane Assistant or the Auto Zoom at crossings and junctions facilitate orientation in more complex traffic situations. Part of the extensive feature set is the display of traffic information/guidelines when entering an EU country and the visual and audible warning to indicate speed limits on major roads.

The TMC/TMC Pro function keeps you up to date regarding potential traffic jams on the chosen route, while automatic re-calculation of a suitable detour is a function covered as well. A congested intersection or a traffic jam, simply reported too late by TMC? The ZE-NC4612 is well informed, proposing alternative routes in real-time, recommending best route options.

Narrow roads and low bridges are always a special challenge when navigating large, heavy vehicles like trucks or motor homes. The navigation software of the ZE-NC4612 enables these potential problem spots to be carefully avoided. The E>GO allows you to choose between seven vehicle profiles so that the device is perfectly matched to your vehicle. By entering vehicle-specific data – height, width, length, weight, trailer etc. – you can plan the route more effectively; bridge height, road width and other restrictions and hazards along the route are included in the calculation.

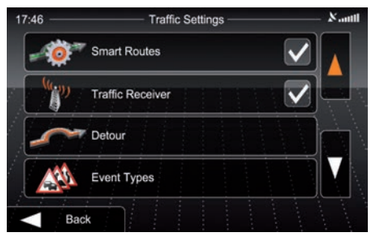
Detailed information on campsite and motor home stopover sites throughout Europe is offered in the CampingFinder POI package (in German language only), already preinstalled on the ZE-NC4612.

You can update the E>GO's content package, expand the navi-section with additional maps, or download the newest 3D city maps using the www.zenec.naviextras.com portal: anytime, even in the middle of the night or abroad during a journey.



* based on Navteq Full-EU package.

Navigate through Europe the clever way
Detailed maps of all European countries give you perfect orientation throughout Europe. For menu and voice navigation there are 28 different languages to choose from.



TMC/TMC Pro
The TMC or TMC Pro function gives you timely information about traffic jams on your route and possible detours. Simply choose the appropriate menu to select and show all the relevant data on the map display.

Latest Map Guarantee
ZENEC's 30-day Latest Map Guarantee: If updated maps are available within 30 days of your first use of the device, you can download them from www.zenec.naviextras.com for free and install them on your ZENEC device.

High-resolution 3D maps
The high-resolution WVGA display of the E>GO ensures that all maps appear pin-sharp. 3D orientation points and very realistic 3D city maps make navigation in big cities even more comfortable for you.

Topographic maps
Realistic 3D landscape views lead you through complex terrains. Choose between different designs for day and night. Thanks to GPS time acquisition, the E>GO can also automatically switch between day and night modes.

Text-to-Speech
The E>GO also displays the names of crossroads. And if you wish, it will read out the street names to you, thanks to the integrated Text-to-Speech function – in this way you can concentrate fully on the traffic while driving.

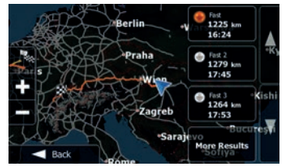
Real Junction View
Features like the new photo-realistic Real Junction View of exit points on freeways, the Lane Assist and the Smart-zoom function at junctions and exit points facilitate orientation, particularly in complex traffic situations.

Navigation Features

- Integrated 3D High-Definition motor-caravan navigation system
- 8 GB internal flash memory with map data for all European countries
- Integrated TMC and TMC Pro receiver, TMC service is functional and free, the TMC Pro function requires a license (lifetime) to be separately purchased through Naviextras (available for Germany, UK and France only)
- TTS Pro voice guidance for 28 different spoken EU languages
- Preconfigured vehicle profiles for easy selection and free configuration, including truck and car profiles
- Profile specification of the target vehicle by entering height, width, length, weight, number of trailers and axle load
- Routing throughout Europe based on the vehicle profile data, avoidance of physical restrictions (bridge height, road width) and route constraints due to road traffic legislation
- Additional truck profile available in the presets, including the definition of hazardous material shipments and rest breaks
- Premium P.O.I. bundle with over 10 million destinations and additional EU Camping P.O.I. package
- 2D or 3D map view with auto-zoom and realistic display of 3D terrains and 3D landmarks
- Eco and Smart Route Planning, Smart-zoom function at intersections and crossings, Tunnel mode, Real Junction View and highway mode with Real Signpost rendering, Outlook address import, "Where-Am-I" function
- Calculation of Real-Time Route Alternatives, Detour Hint function, Parking Around Algorithm
- Trip computer: configurable display of three additional pieces of information, with the choice of arrival time, journey time, speed, direction, height above sea level, etc.
- Display of traffic information/guidelines when entering an EU country
- Visual and audible warning to indicate speed limits on major roads
- 30 days Latest Map Guarantee
- Map updates via the online-portal: www.zenec.naviextras.com
- External GPS antenna included in the delivery

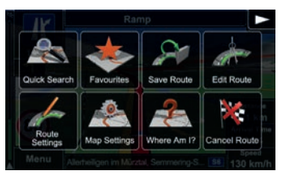
Reach Points Of Interests fast
The E>GO has a Premium POI database with more than ten million entries. Using the well designed search menu makes it easy to select special destinations.

Intelligent destination input
To select a destination, you need to enter only a few letters – the E>GO completes your input and automatically proposes appropriate destinations.



Intelligent route planning
So that you can optimize the route exactly as you want, you have a choice between various route calculation methods: short, fast, Eco and easy.

Practical trip computer
The trip computer gives you a summary of the most important trip data, such as your average speed, arrival time or real travel time to destination.



Where Am I? function
With E>GO you are well prepared for all emergencies: Use the Where Am I? function to find hospitals, police stations, ATM machines, filling stations and much more in your vicinity – a finger tap is all it takes.

Informed in timely manner
Included in the function package is the display of advisories when crossing EU borders, together with various warning messages: information on speed limits, legal alcohol limits, duty to wear a warning waistcoat etc.

Importing your Outlook contacts
Have you saved important contacts on your computer in MS Outlook? You can easily import these contacts directly into the navigation software of the E>GO by using the Naviextras Toolbox.

Flexible map updates
Via the online portal www.zenec.naviextras.com, you can update the preinstalled map packages at any time or upgrade it as you wish. Naviextras offers a large selection of maps for more than 75 countries.

Wireless communication via Bluetooth

ZENEC's naviceiver enables comprehensive connectivity and the convenience of operating a Bluetooth-capable mobile phone. The E>GO is equipped with a high-tech Bluetooth module from Parrot, the specialist for mobile communications – a hands-free unit, that guarantees you a wide range of functions and maximum compatibility with many mobile phone models.

Make calls without noise interference
With ZENEC you can make phone calls in excellent quality – either using the integrated microphone or the external microphone supplied with your E>GO. Thanks to the innovative audio DSP, unwanted ambient sounds are filtered out more efficiently, to offer improved intelligibility.

Easy to operate
Parrot makes for very easy operation when driving. The caller's number, phone book entries and other information are clearly shown on the naviceiver's display. The address book of the naviceiver is automatically synchronized with the mobile phone as well.
You can easily search for phone book entries – simply tap in the initial letters of the contact you want to dial. This search function is really an enormous benefit for professional use. Even special characters are no problem thanks to the multilingual keypad.

Bluetooth always up to date
The firmware of the Bluetooth component can be conveniently updated using a USB stick, for example if you would like to use a brand new mobile phone model. Thus, the palette of compatible mobile telephones can be expanded, keeping the device future-proof.

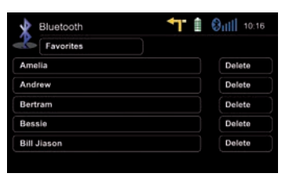
Bluetooth Features:
• Connection of up to 5 mobile phones • synchronization of up to 1,000 contacts with max. 5 telephone numbers per contact • alphabetical search function for contacts • multilingual input keypad, including special characters and special letters • Quick Dial menu for up to 6 favorite contacts • memory for dialed and received calls • redialing • switch between hands-free and mobile phone • internal and external microphone • future-proof upgradable Bluetooth firmware

Making calls in the car in comfort
Use the clear Bluetooth menu to comfortably control all telephone functions – a touch is all it takes to transform your car into a telecommunications center.

Easy connections
You can connect up to 5 mobile phones to the E>GO, each having 1,000 contacts. The address book of your mobile synchronizes with the E>GO automatically.

Fast contact entry search
The alphabetic search function makes finding a contact easier: simply tap in the initial letters. You can search using up to 15 initial letters.

Comfortable contact management
You can search for a contact in the phonebook or in the favorites list. But you can also display the list of outgoing/incoming or missed calls.



Quick-Dial menu
Phone numbers that you use frequently can simply be saved as favorites – so you have fast access to your most important contacts at all times.

No missed calls
The E>GO Bluetooth system allows broker calls so that you can conveniently switch back and forth between two active telephone calls.

Music over your mobile phone
Music stored in your mobile phone can be played back via the E>GO thanks to A2DP and AVRCP. The playback is comfortably controlled via the touchscreen.

Clear management
With the E>GO you never lose track: at a glance you can see all the connected mobile phones and manage these conveniently via the touchscreen.

Navigation navigate by touchscreen fast and comfortably in all European countries (including eastern Europe)	**DVD player** plays CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, AVI, Xvid	**RDS tuner** with automatic station search, 30 station memory (18 FM/ 12 AM) and best station memory	**USB** USB direct connection via Media-Link box (included in the delivery), operation via touchscreen	**Camera** rear view camera input, manually or automatically activated by putting the car in reverse	**iPod/iPhone** iPod/iPhone direct connection via optional cable, operation via touchscreen (also for iPod/iPhone video)
SD/SDHC card reader integrated SD/SDHC card reader to play video files, music, etc., SDHC compatible up to 32 GB	**Bluetooth/A2DP** integrated Parrot Bluetooth module for hands-free operation and audio streaming, upgradable firmware	**A/V input** A/V port (RCA) for the connection of other external A/V devices like gaming consoles, etc.	**M-Zone** separate A/V playback zones divided into front and rear seat entertainment	**Xvid** Xvid is the container format of choice. Over 90% of present-day AVI files are encoded with Xvid.	**Security code** intelligent anti-theft protection based on software monitoring of the power supply

Connection Options: Limitless Connectivity

Due to the integrated USB port and the various A/V in and outputs, there is almost nothing that cannot be connected to the ZE-NC4612. The ZENEC program has a wide palette of multimedia-based additional components that are optimally suited to the E>GO naviceiver. All equipment – external monitors, DVB-T and DAB+ reiceivers or rear view cameras – can be connected directly to the naviceiver and operated via touchscreen.

Media Link box
Especially practical: The delivery scope of the E>GO contains the compact Media-Link box with a high-speed USB 2.0 port and an A/V input (3.5 mm plug). With this compact box (with 1.5 m cable extension) to be stowed away in a convenient place like the centre console or the glove box, you can quickly connect or disconnect additional components like a USB stick, an iPod/iPhone or external MP3 player.

Connection of iPod/iPhone
iPod and iPhone can be connected to the Media-Link box with the adapter cable ZE-NC-IPS or ZE-NC-IPS5 for iPhone (both available separately). This connection, using the USB 2.0 high speed bus, not only allows for quick access to all files, but also the control of audio tracks via the naviceiver's touchscreen. Naturally the iPod and iPhone are being charged during playback.

Rear-view cameras
The ZENEC produt range includes many diverse additional components perfectly matched to each other. For example, the E>GO rear-view cameras. These replace the original license plate illumination unit of the vehicle and add a high-resolution camera. The E>GO cameras are easy to install and are triggered automatically when reverse gear is engaged.

Main Features ZE-NC4612

GPS NAVIGATION SYSTEM
- 3D High-Definition motor-caravan navigation system
- 8 GB internal flash memory with map data for all European countries
- Premium P.O.I. bundle with over 10 million destinations and additional EU Camping P.O.I. package
- TTS Pro voice guidance for 28 different spoken EU languages
- Realistic 3D rendering of terrains and landmarks, Tunnel-View, 3D Auto-Zoom for crossings and roundabouts, Real Junction View
- Eco and Smart Route Planning, Calculation of Real-Time Route Alternatives, Parking Around Algorithm, Detour Hint function etc.
- Outlook address import, Driver Alerts etc.
- Input option for car specific restrictions (height, width, length, weight, trailer etc.)
- TMC and TMC Pro receiver
- External GPS antenna
- 30 Days Latest Map Guarantee

PARROT BLUETOOTH HANDS-FREE MODULE
- Synchronization of up to 1,000 contacts with max. 5 telephone numbers per contact
- Alphabetical search function for contacts
- Internal and external microphone
- Future-proof upgradable Bluetooth firmware

MULTIMEDIA PLAYER
- DVD loader
- USB 2.0 port (via Media-Link box)
- SD/SDHC card reader (up to 32 GB)
- Made for iPod and iPhone
- Playback DVD loader: CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, AVI, Xvid
- Playback SD/USB: MP3, WMA, AVI, Xvid

GENERAL FEATURES
- Intuitive, user friendly HMI in 20 different languages
- 6.2"/15.7 cm 16:9 TFT-LCD display with 800 x 480 pixels resolution and touch-screen control
- Phase diversity RDS dual tuner with 30 preset stations (18 FM/12 AM)*1
- Multi zone function
- 4 x 40 watts amplifier
- 24 bit D/A converter
- 2 x IR-remote control

A/V-CONNECTIONS
- 4.2-CH preamp line outputs
- 2-CH preamp line outputs without volume adjustment
- 2 x composite video outputs (NTSC)
- 1 x A/V-input
- 1 x video input for rear view camera with switching function
- Connectivity for touchscreen compatible external DVB-T or DAB+ receivers

BRAND/VEHICLE SPECIFIC FEATURES
- Steering wheel remote control integration via CAN*2
- Multifunction driver information display support for audio source via CAN*3
- Selectable key illumination: amber/white

Vehicle integration disclaimer:
*1 The vehicle must be fitted with a phase diversity antenna system, or else, must be retro fitted with such a system.
*2 Functionality cannot be assured for vehicles featuring radio-ready provisions or a factory mounted OE Radio Audio 5.
*3 Bluetooth and Navigation source info-data output on the driver information display is not supported. Harman Kardon and Bang & Olufsen OE active sound systems (MOST bus based) are not supported.

Vehicle Compatibility List

Brand	Model	Type Model	Year
MERCEDES-BENZ	Sprinter II	W906	2006 >
	Vito	W639	2006 >
MERCEDES-BENZ	Viano	V639	2006 >
	A-Class	W169	2004 > 2012
	B-Class	W245	2005 > 2011

Regarding further physical and electrical device compliance, in conjunction with given vehicles, please consult your specialty retailer.